

Agreement and Funding for Traffic Signal and Overhead Sign Structure Inspections



Engineering/Public Works& Utilities

October 13, 2020



Background



- On October 9, 2019, Public Works/Engineering received requests for qualifications (RFQ) for COW bridge inspections.
- Included in the RFQ was a separate request for inspection of traffic signals and overhead signage structures.
- Currently, the City's signal technicians perform visual traffic signal and overhead sign structure inspections, but only during routine inspection of other traffic signal components.
- The Federal Highway Administration (FHWA) recommends a comprehensive inspection of these facilities at least every four years.



Analysis



- Approximately 2,100 facilities of varying configuration and construction located at over 600 intersections require some level of regular inspection.
- Staff recommends following the FHWA guidelines for inspection of these vertical structures in public right-of-way, as a matter of public safety and for the purpose of long-term planning.
- Due to diminished staffing levels, increased demand on resources, and the level of structural and materials expertise required, City staff are unable to comprehensively evaluate the facilities, and certainly not on a regular interval.



Analysis



- On October 18, 2019 the Staff Screening and Selection Committee selected TranSystems based on qualifications and experience as the vendor to perform traffic signal and overhead sign structure inspections program should funding become available.
- In addition to completing structural inspection and analysis of a portion of the facilities, the consultant will work with staff to develop a plan for moving forward, including a proposed schedule for completion of all inspections, recommendations for a comprehensive maintenance/replacement plan, and estimated costs for the same.



Current Issues



Current Issues



Financial Considerations



- The cost to inspect approximately one third of the City's traffic signal and overhead structures, including all staff-identified priority locations, is \$150,000, with the option to renew for up to two years as funding becomes available.
- Under-expenditures in the Street Maintenance General Fund operating budget are available to cover the project



Recommendation/Action



- Approve the necessary budget adjustments, approve the agreement, and authorize the necessary signatures



Agreement and Funding for Traffic Signal and Overhead Signage Pilot Program



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